

## INTERNATIONAL SEARCH REPORT

Inte application No  
PCT/03/01075

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04B10/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 100 46 104 A (SIEMENS AG) 4 April 2002 (2002-04-04) cited in the application	1,5,7,10
Y	column 1, paragraph 6 -column 2, paragraph 8; figure 1	2,3,6,8, 9,11-17
Y	DE 100 24 238 A (HERTZ INST HEINRICH) 3 January 2002 (2002-01-03) column 2, paragraph 9 -column 4, paragraph 28	6,8,9, 11-17
Y	US 2001/033406 A1 (OTA TAKESHI ET AL) 25 October 2001 (2001-10-25) page 3, paragraph 48 -page 4; figure 8	2,3,13, 14
	--- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

16 September 2003

Date of mailing of the international search report

24/09/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Shaan, M

# INTERNATIONAL SEARCH REPORT

Int. Application No  
PCT/03/01075

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>ROSSI G ET AL: "Optical performance monitoring in reconfigurable WDM optical networks using subcarrier multiplexing" JOURNAL OF LIGHTWAVE TECHNOLOGY, IEEE. NEW YORK, US, vol. 18, no. 12, December 2000 (2000-12), pages 1639-1648, XP002179167 ISSN: 0733-8724 the whole document -----</p>	1,8,10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. Application No

PCT/03/01075

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
DE 10046104	A	04-04-2002	DE	10046104 A1	04-04-2002
DE 10024238	A	03-01-2002	DE	10024238 A1	03-01-2002
			WO	0186847 A1	15-11-2001
US 2001033406	A1	25-10-2001	JP	2001217778 A	10-08-2001